Amended claims

1. (Currently Amended) A system for providing a user interface display image supporting user entry of an expression, comprising:

a user interface menu generator for providing a displayable image including,

a first image window listing a plurality of ~~selectable~~ data items individually selectable from a plurality of different types of predetermined data items available for incorporation in an expression used for calculating a result value,

an image prompt element for permitting user entry of said expression and for incorporating a data item in an entered expression from said listed data items to provide a resultant expression used for calculating a result value in response to user selection of said data item in said first image window, and

an icon for initiating storing of said resultant expression; and

an expression processor for processing said resultant expression to provide a calculated result value in response to user command.

2. (Currently Amended) A system according to claim 1, wherein

said ~~expression processor resolves said resultant expression to provide a result comprising at least one of, (a) a verification said resultant expression is true and (b) a computed value~~ plurality of different types of predetermined data items comprise predetermined data items and associated predetermined allowable values for a corresponding predetermined data item and

said data item is incorporated in said expression together with an operator comprising at least one of, (a) a logical operator and (b) an algebraic operator to provide said resultant expression.

3. (Currently Amended) A system according to claim 1, wherein

said ~~expression processor interprets said resultant expression to provide search parameters for use in identifying records in a database and provides an indication of said identified records as said result in response to a search of said database~~ said plurality of different types of predetermined data items comprise at least one of, (a) a patient identifier, (b) a medical condition identifier, (c) a patient address and (d) patient medical record information.

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4. (Currently Amended) A system according to claim 1, wherein

said ~~expression processor verifies an entered expression is valid and generates an indication as said result identifying said entered expression is invalid~~ predetermined data items are individually selectable by selection of displayed elements in a hierarchical tree structure, said displayed elements representing predetermined data items.

5. (Currently Amended) A system according to ~~claim 4~~ claim 1, wherein

said expression processor verifies an entered expression is valid and generates an indication as said result identifying said entered expression is invalid and

said expression processor initiates generation of a displayed notification to a user indicating said entered expression is invalid.

6. (Currently Amended) A system according to claim 1, wherein

said displayable image includes an icon for initiating verification an entered expression is valid and

said verification includes a syntax check of said entered calculable expression.

7. (Currently Amended) A system according to claim ~~6~~ 1, wherein

~~said verification includes a syntax check of said entered expression~~ said expression processor resolves said resultant expression to provide a result comprising a financial reimbursement sum determined per health care policy terms.

8. (Currently Amended) A system according to claim 1, wherein

said ~~displayable image includes an image prompt element supporting user entry of a name for identifying a resultant expression~~ said plurality of different types of predetermined data items include miscellaneous values comprising predetermined specific words.

9. (Currently Amended) A system according to claim 1, wherein

said displayable image includes an image prompt element supporting user entry of a name for identifying a resultant expression and

said user interface menu generator provides an image window permitting user selection of a template calculable expression from a plurality of predetermined template expressions.

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10. (Currently Amended) A system according to claim 9 1, wherein
said user interface menu generator provides an image window permitting user selection of a template calculable expression from a plurality of predetermined template calculable expressions and
said image prompt element incorporates a selected template calculable expression in response to user selection of said selected template calculable expression.

11. (Currently Amended) A system according to claim 1, wherein
said first image window lists a plurality of selectable data items in a hierarchical tree type structure and
said plurality of selectable data items are associated with user accessible data item descriptions.

12. (Currently Amended) A system according to claim 11 1, wherein
~~said plurality of selectable data items are associated with user accessible data item descriptions~~
said icon for initiating storing of said resultant expression initiates allocation of a version identifier to said resultant expression.

13. (Currently Amended) A system according to claim 1 12, wherein
~~said system supports storage and retrieval of a resultant expression~~ said expression processor uses said version identifier in processing a latest version of said resultant expression to provide said calculated result value.

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14. (Currently Amended) A system for providing a user interface display image supporting user entry of an expression for use in deriving information associated with a patient, comprising:

a user interface menu generator for providing a displayable image including,

a first image window listing a plurality of selectable data items individually selectable from a plurality of different types of predetermined data items available for incorporation in an expression, said ~~plurality of selectable data items identifying at least one of, (a) a patient, (b) a patient physical characteristic, (c) patient address information and (d) patient medical record information~~ plurality of different types of predetermined data items comprise predetermined data items and associated predetermined allowable values for a corresponding predetermined data item,

an image prompt element permitting user entry of said expression and for incorporating a data item in said expression from said listed data items to provide a resultant expression in response to user selection of said data item in said first image window, and

an icon for initiating storing of said resultant expression; and

an expression processor for resolving said resultant expression to provide a result in response to user command.

15. (Currently Amended) A system according to claim 14, wherein

said expression ~~includes an algebraic expression portion including one or more algebraic operators~~ comprises a calculable expression, and

said expression processor processes said resultant expression to provide a calculated result value in response to said user command

~~said user interface menu generator provides an image window permitting user selection of an algebraic expression operator from a plurality of predetermined algebraic expression operators including at least two of (a) a multiplication operator, (b) a division operator, (c) an addition operator and (d) a subtraction operator.~~

16. (Currently Amended) A system according to claim 14, wherein

said plurality of different types of predetermined data items identify at least one of, (a) a patient, (b) a patient physical characteristic, (c) patient address information and (d) patient medical record information and

said user interface menu generator provides an image window indicating said associated predetermined allowable values for a corresponding predetermined data item comprise at least one of, ~~(a)~~ (i) an acceptable parameter and ~~(b)~~ (ii) an acceptable value, associated with a data item selected by a user via said first image window.

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17. (Currently Amended) A system for providing a user interface display image supporting user entry of an expression, comprising:

a user interface menu generator for providing a displayable image including,

a first image window listing a plurality of ~~selectable~~ data items individually selectable from a plurality of different types of predetermined data items available for incorporation in an expression used for calculating a result value,

an image prompt element permitting user entry of said expression and for incorporating a data item together with an operator in said entered expression from said listed data items to provide a resultant expression used for calculating a result value in response to user selection of said data item in said first image window,

~~an icon for initiating verification of said resultant expression to determine said resultant expression is valid,~~ and

an icon for initiating storing of ~~a valid~~ said resultant expression; and

an expression processor for resolving said ~~valid~~ resultant expression to provide a calculated result value in response to user command.

18. (Currently Amended) A system according to claim 17, wherein said expression processor processes said resultant expression to determine said resultant expression is valid and wherein said system for providing a user interface display image comprises machine executable code stored on a tangible storage medium.

19. (Currently Amended) A method for providing a user interface display image supporting user entry of an expression, comprising the ~~steps~~ activities of:

initiating display of an image including,

a first image window listing a plurality of ~~selectable~~ data items individually selectable from a plurality of different types of predetermined data items available for incorporation in an expression used for calculating a result value,

an image prompt element permitting user entry of said expression and for incorporating a data item in said entered expression from said listed data items to provide a resultant expression used for calculating a result value in response to user selection of said data item in said first image window, and

an icon for initiating verification of said resultant expression to determine said resultant expression is valid, and

an icon for initiating storing of said resultant expression; and

verifying said resultant expression is valid in response to user selection of said icon for initiating verification.